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# User Manual

- Installation
- Operation

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## SMPM100

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Omnik New Energy Co., Ltd.

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## 1. Notes on this manual

The main purpose of this User's Manual is to provide instructions and detailed procedures for installing the monitor device:

- SMPM100.

Please keep this user manual all time available in case of emergency.

## 2. Product Information

### 2.1. Overview

The monitor is shown in the picture below.



Object	Description
A	network cable
B	monitor
C	electrical wire

## 2.2. Datasheet

Interface	
PLCC	Proprietary
Ethernet	RJ45
RS485	RJ45
Capacity	
Numbers of devices connected	Monitor up to 40 units PV models*
Power Requirements	
AC Supply	220V/230V/240V;50Hz/60Hz
Power Consumption	1W
Mechanical Data	
Cooling	Natural convection no fans
Ambient Temperature Range	-40°C ~ +65°C
Enclosure Environment Rating	IP65
Features	
Compliance	CE
Warranty	5 Years

\*The device can monitor up to 40 units PV models.

## 3. Monitor installation

### 3.1. Fix the monitor

The length of the network cable is 1.8 meters and the length of the electrical wire is 1.4 meters. Select the appropriate location to install monitor.

Object	Length
network cable	1.8m
electrical wire	1.4m

As shown below, hang up the monitor after twisting the screw.



### 3.2. Connection

On the left is the RJ45, which is connected to modem, and on the right is the power cord, which is directly connected to the power supply.



### 3.3. Display



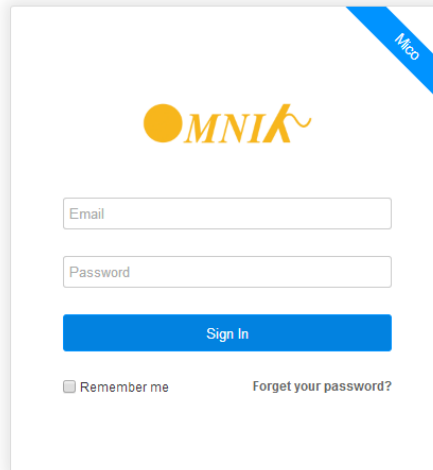
When the monitor is used normally, the LED will flash.

State	Description
LED light on	run
LED light off	quit

## 4. Website registration

### 4.1. Enter the website

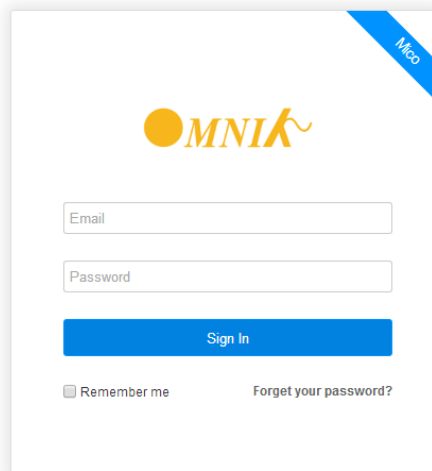
Type “ <http://intisol.omnikportal.com/LoginPage.aspx> ” in explorer address and enter the following interface.



Chrome/Firefox/IE9.0+ recommended.

### 4.2. Choose language

Choose the website language in the top right corner. As shown in the picture below, Chinese and English can be chosen.



Chrome/Firefox/IE9.0+ recommended.

### 4.3. Registration

Click “Registration” to register and fill in the information as required.

A white sign-in form with the MNIK logo at the top. It contains two input fields: 'Email' and 'Password'. Below the fields is a blue button labeled 'Sign In'. At the bottom, there is a checkbox for 'Remember me' and a link for 'Forget your password?'. A blue diagonal banner in the top right corner says 'Mico'.

Chrome/Firefox/IE9.0+ recommended.

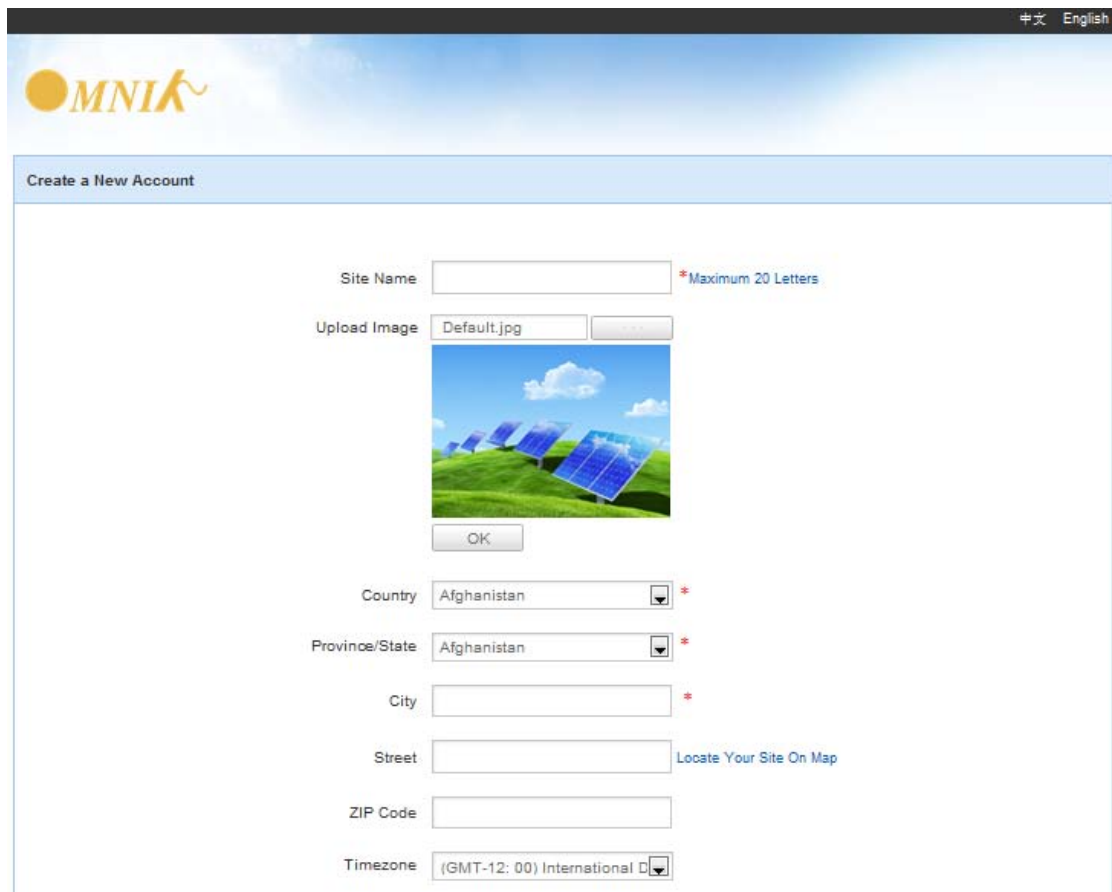
Please fill out e-mail address and password. Then click “next”.

A registration form titled 'Create a New Account' under the MNIK logo. On the left is an image of solar panels on a green hill. The form includes: 'Email' field with a red asterisk and error message 'Please input a valid Email address, used for login and password retrieving'; 'Confirm Email' field with a red asterisk and error message 'Please re-input a valid Email address'; 'Account Type' dropdown menu set to 'End user'; 'Password' field with a red asterisk and error message '6-16 characters, case sensitive'; 'Confirm Password' field with a red asterisk and error message '6-16 characters, case sensitive'; a checkbox for 'I accept <Terms and conditions>'; and two buttons at the bottom: 'Next' (blue) and 'Cancel' (orange).




Please fill in your info and click “complete” to finish the registration.

- ① Type your name in Site name.
- ② Fill in Country, Province/State and City truly.
- ③ System Size is the power of the inverter purchased.
- ④ FIT is filled in according to the local electricity price.
- ⑤ Ask the installer about FIT which is the number of the monitor.




中文 English



Create a New Account

Site Name  \*Maximum 20 Letters

Upload Image



Country  \*

Province/State  \*

City  \*

Street  [Locate Your Site On Map](#)

ZIP Code

Timezone

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Temperature Unit

System Size(KWp)  \*

Feed-in Tariff(FIT)  AUD AUS  \*

Panel Type

MPPT Type

Description

Make This Site Public

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Registration

Datalogger S/N  \*

Installer

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Contact

Name

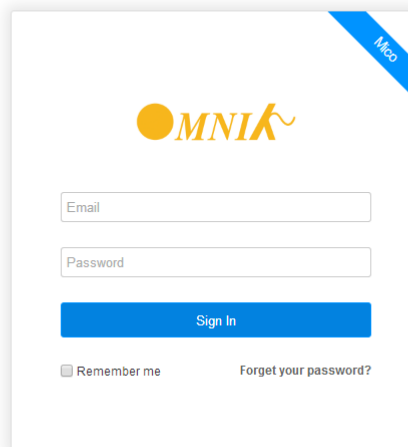
Phone

## 5. Using the monitor


### 5.1. Login

Type “<http://intisol.omnikportal.com/LoginPage.aspx>” in explorer address and enter the following interface. Then sign in the account.

中文 English | Registration



New



Email

Password

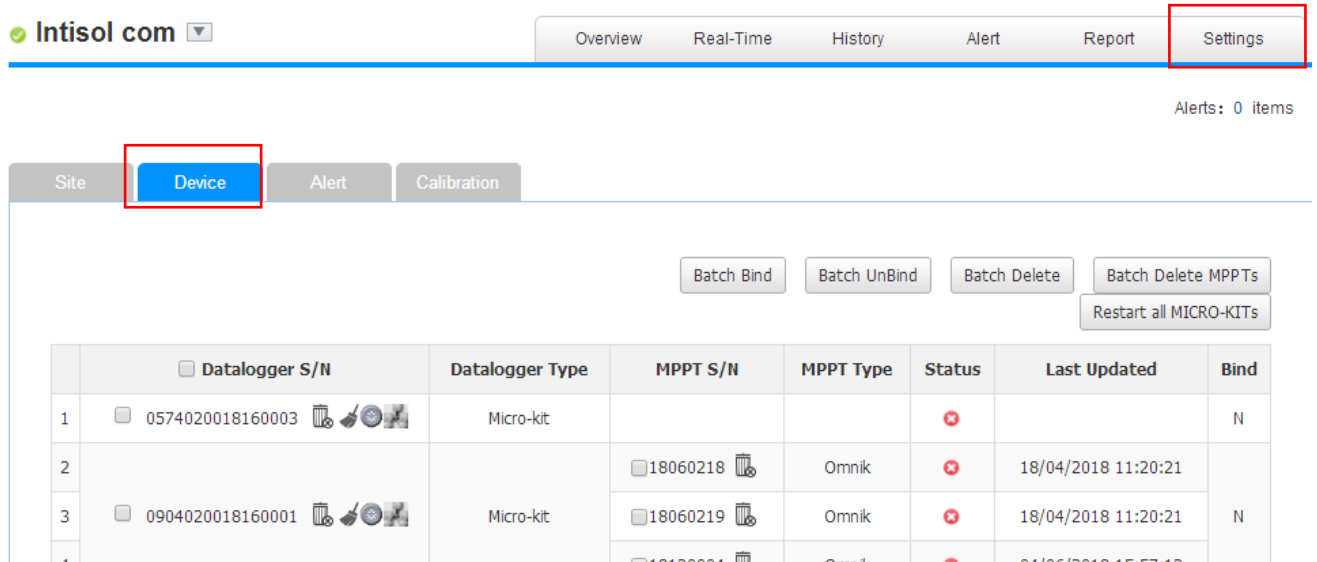
Remember me      [Forget your password?](#)

Chrome/Firefox/IE9.0+ recommended.

## 5.2. Setting

After finishing the installation of the system, when the weather is well and all the inverters are working normally, you can start setting the monitors.

① Click the setting and the device.



Intisol.com Overview Real-Time History Alert Report Settings

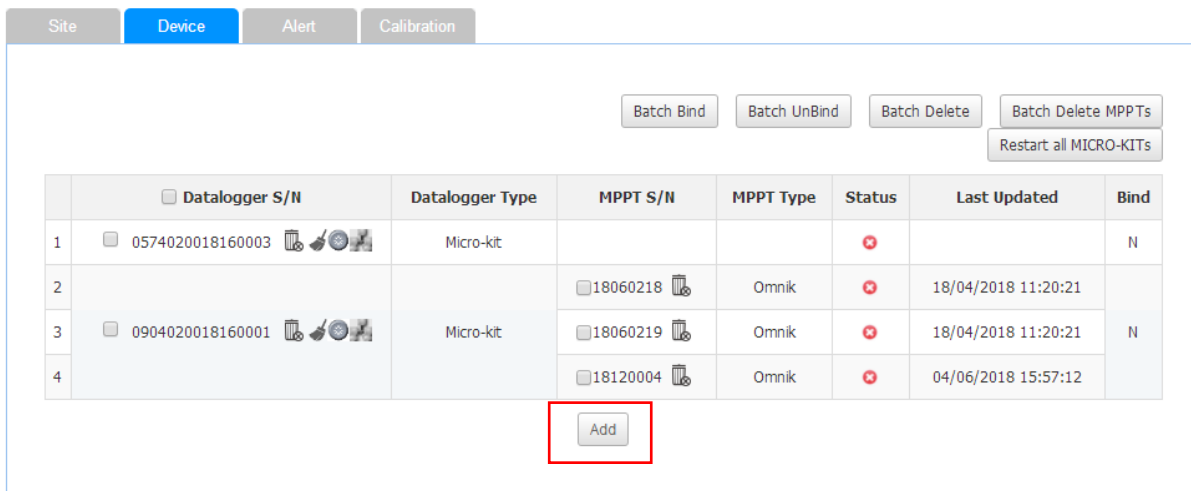
Alerts: 0 items

Site Device Alert Calibration

Batch Bind Batch UnBind Batch Delete Batch Delete MPPTs  
Restart all MICRO-KITs

	<input type="checkbox"/> Datalogger S/N	Datalogger Type	MPPT S/N	MPPT Type	Status	Last Updated	Bind
1	<input type="checkbox"/> 0574020018160003	Micro-kit			✖		N
2			<input type="checkbox"/> 18060218	Omnik	✖	18/04/2018 11:20:21	N
3	<input type="checkbox"/> 0904020018160001	Micro-kit	<input type="checkbox"/> 18060219	Omnik	✖	18/04/2018 11:20:21	
4			<input type="checkbox"/> 18120004	Omnik	✖	04/06/2018 15:57:12	

② Click the “add” and type in the S/N of the monitor. Then click the ok.



Site Device Alert Calibration

Batch Bind Batch UnBind Batch Delete Batch Delete MPPTs  
Restart all MICRO-KITs

	<input type="checkbox"/> Datalogger S/N	Datalogger Type	MPPT S/N	MPPT Type	Status	Last Updated	Bind
1	<input type="checkbox"/> 0574020018160003	Micro-kit			✖		N
2			<input type="checkbox"/> 18060218	Omnik	✖	18/04/2018 11:20:21	N
3	<input type="checkbox"/> 0904020018160001	Micro-kit	<input type="checkbox"/> 18060219	Omnik	✖	18/04/2018 11:20:21	
4			<input type="checkbox"/> 18120004	Omnik	✖	04/06/2018 15:57:12	

Add

Add












Datalogger S/N

OK
Cancel

- ③ Click the “netting” button, and the monitor starts to search for the micro-inverter, which takes 5 minutes to complete.

Site | **Device** | Alert | Calibration

Batch Bind | Batch UnBind | Batch Delete | Batch Delete MPPTs  
Restart all MICRO-KITs












	<input type="checkbox"/> Datalogger S/N	Datalogger Type	MPPT S/N	MPPT Type	Status	Last Updated	Bind
1	<input type="checkbox"/> 0574020018160003    	Micro-kit			✘		N
2	<input type="checkbox"/> 0904020018160001    	Micro-kit	<input type="checkbox"/> 18060218 	Omnik	✘	18/04/2018 11:20:21	N
3			<input type="checkbox"/> 18060219 	Omnik	✘	18/04/2018 11:20:21	
4			<input type="checkbox"/> 18120004 	Omnik	✘	04/06/2018 15:57:12	

Add

- ④ Check the S/N of the micro-inverter. You can delete the inverter which you don't want to monitor.

Site | **Device** | Alert | Calibration

Batch Bind | Batch UnBind | Batch Delete | Batch Delete MPPTs  
Restart all MICRO-KITs

	<input type="checkbox"/> Datalogger S/N	Datalogger Type	MPPT S/N	MPPT Type	Status	Last Updated	Bind
1	<input type="checkbox"/> 0574020018160003    	Micro-kit			✘		N
2	<input type="checkbox"/> 0904020018160001    	Micro-kit	<input type="checkbox"/> 18060218 	Omnik	✘	18/04/2018 11:20:21	N
3			<input type="checkbox"/> 18060219 	Omnik	✘	18/04/2018 11:20:21	
4			<input type="checkbox"/> 18120004 	Omnik	✘	04/06/2018 15:57:12	

Add

- ⑤ Click the overview. Left-click and drag the pattern. You can arrange the pattern according to the position of the inverters and click the save.

Intisol com Overview Real-Time History Alert Report Settings

Alerts: 0 items

**Current Power**

**Trees Planted**  
0.07 trees

**Carbon Offset**  
0.03 ton

**Income**  
¥24.13

Power Now	Today's Energy	Monthly Energy	Yearly Energy	Total Energy
0.00 kW	0.00 kWh	0.03 kWh	27.11 kWh	27.11 kWh

**Location**

Overview Power Energy

All 18060218 Micro-kit: 2 Online: 0 MPPT: 3 Online: 0

18060218 18060219 18120004

Power Now	Today's Energy	Monthly Energy	Yearly Energy	Total Energy
0.00 kW	0.00 kWh	0.03 kWh	27.11 kWh	27.11 kWh

Overview Power Energy

All 18060218 Micro-kit: 2 Online: 0 MPPT: 3 Online: 0

18060218

0kWh

18060219

0kWh

18120004

0kWh

+ - + -
Save

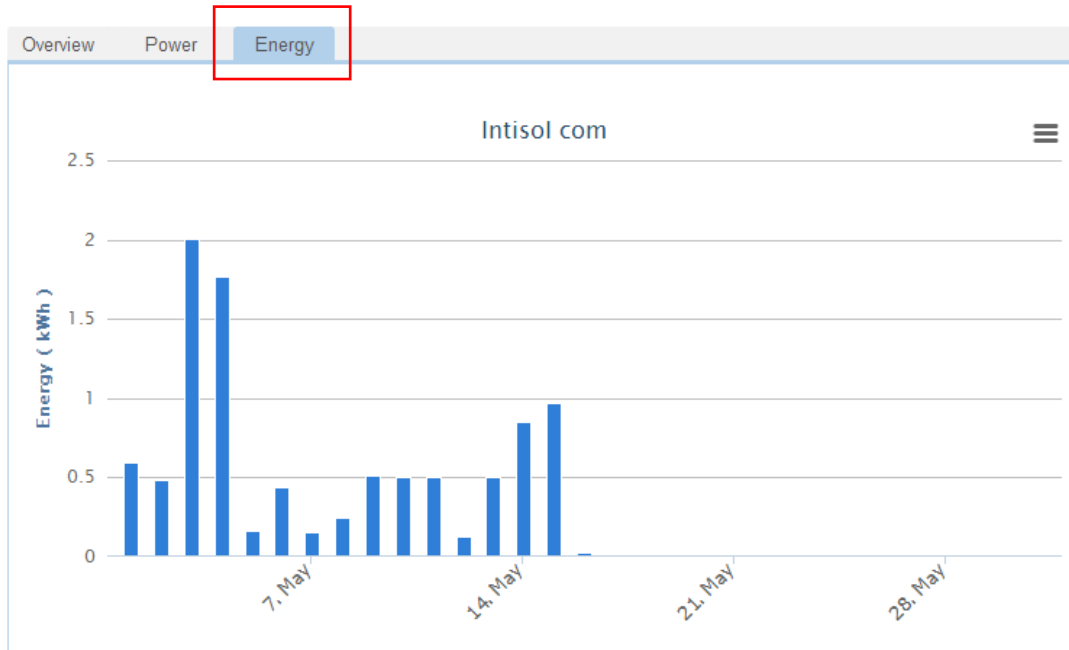
- ⑥ These settings will keep records in the system.

### 5.3. View the information

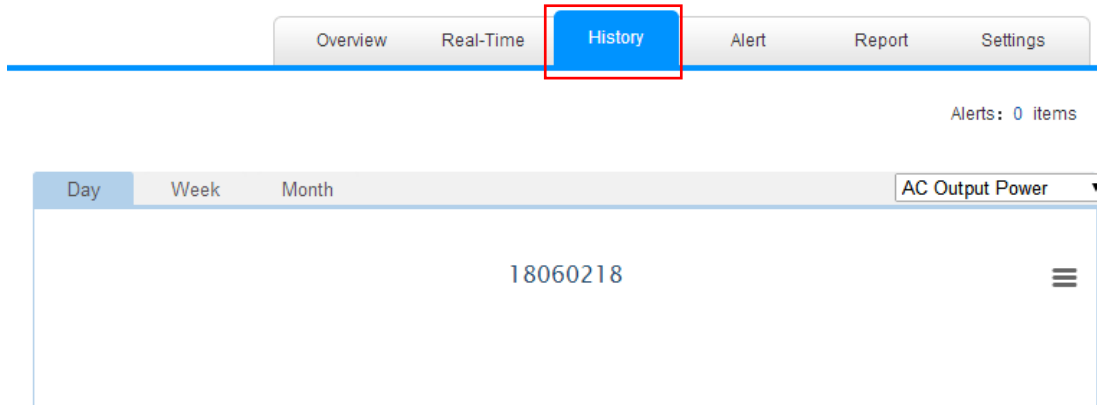
Click the power to look at the accurate real-time output power in a day.



Click the energy to look at the amount of produced electricity in a day.



More information can be acquired by clicking the history.



The screenshot displays a navigation menu with the following tabs: Overview, Real-Time, History (highlighted with a red box), Alert, Report, and Settings. Below the menu, the text 'Alerts: 0 items' is visible. A data table is shown with the following structure:

Day	Week	Month	AC Output Power
			18060218

## 6. Contact

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